

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Performance Optimizer for Transmission Systems**.

The specification of which (check only one item below):

- ☒ is attached hereto
- ☐ was filed as United States Application Serial No. on _____ and was amended on _____ (if applicable)
- ☐ was filed as PCT international application number _____, on _____, and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

- | | | | |
|--------------------------|----------|------------------|--------------|
| <input type="checkbox"/> | Country: | Application No.: | Filing Date: |
| <input type="checkbox"/> | NONE | | |

I hereby claim the benefit under Title 35 United States Code § 119(e) and § 120 of any United States application(s) or 365(c) of any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

- | | | | |
|--------------------------|----------------------|--------|---------|
| <input type="checkbox"/> | Provisional No.: | Filed: | Status: |
| <input type="checkbox"/> | Application No.: | Filed: | Status: |
| | PCT Application No.: | Filed: | Status: |
| <input type="checkbox"/> | NONE | | |

DECLARATION IN ORIGINAL APPLICATION

U.S. Attorney Docket No.: CRNG:010

Case No.: SP01-024

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Neophytos A. Antoniades**Resident Address:** 416 Hillside Ave., Leonia, NJ 07605
Post Office Address: same**Citizenship:** Cyprus

DATE: 3/7/2001


Neophytos A. Antoniades**Full Name of Inventor:** Valeria L. da Silva**Resident Address:** 25-2C Bloomingdale Drive, Hillsborough, NJ 08876
Post Office Address: same**Citizenship:** Brazil

DATE: _____

Valeria L. da Silva

Full Name of Inventor: Michael J. Yadlowsky**Resident Address:** 19 E. 5th St., Corning, NY 14830
Post Office Address: same**Citizenship:** USA

DATE: _____

Michael J. Yadlowsky

Case No.: SP01-024

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Neophytos A. Antoniades
Resident Address: 416 Hillside Ave., Leonia, NJ 07605
Post Office Address: same
Citizenship: Cyprus

DATE: _____

Neophytos A. Antoniades

Full Name of Inventor: Valeria L. da Silva
Resident Address: 25-2C Bloomingdale Drive, Hillsborough, NJ 08876
Post Office Address: same
Citizenship: Brazil

DATE: 3/9/01

Valeria L. da Silva
Valeria L. da Silva

Full Name of Inventor: Michael J. Yadlowsky
Resident Address: ³¹ 49 E. 5th St., Corning, NY 14830
Post Office Address: same
Citizenship: USA

DATE: 3/2/01

Michael J. Yadlowsky
Michael J. Yadlowsky

POWER OF ATTORNEY BY ASSIGNEE

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **Performance Optimizer for Transmission Systems** and executed by:

INVENTOR NAME	DATE
Neophytos A. Antoniadis on	March 7, 2001
Valeria L. da Silva on	March 9, 2001
Michael J. Yadlowsky on	March 2, 2001

appoints the following agents/attorneys to prosecute that application and to transact all business in the Patent and Trademark Office connected therewith:

Attorney/Agent Name
Susan S. Morse
Mary R. Redman

Registration Number
35,292
29,881

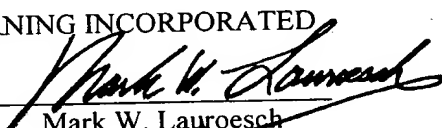
Direct all telephone calls and correspondence to:

Susan S. Morse
Jones Volentine
12200 Sunrise Valley Drive
Suite 150
Reston, VA 20191
(703) 715-0870

Date: 3/21/01

CORNING INCORPORATED

By


Mark W. Lauroesch
Division Vice President and
Director, Intellectual Property Law

ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **Performance Optimizer for Transmission Systems**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE March 7, 2001

DATE March 9, 2001

DATE March 2, 2001

and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at Corning, NY, this

3/7/2001
Date

Neophytos A. Antoniadou
Neophytos A. Antoniadou

Date

Valeria L. da Silva

Date

Michael J. Yablowsky

State of New ^{Jersey} York)
: ss.
County of Steuben)

On the 7th day of March 2001, before me personally came **Neophytos A. Antoniadou** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Albenta Walker
Notary Public
ALBENTA WALKER
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 2/8/2006

State of New York)
: ss.
County of Steuben)

On the ____ day of _____ 2001, before me personally came **Valeria L. da Silva** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of New York)
: ss.
County of Steuben)

On the ____ day of _____ 2001, before me personally came **Michael J. Yablowsky** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

Signed at Corning, NY, this

Date

3/9/01

Neophytos A. Antoniadis

Valeria L. da Silva

Date

3/2/01

Valeria L. da Silva

Michael J. Yablowsky

Date

Michael J. Yablowsky

State of New York)

: ss.

County of Steuben)

On the ____ day of _____ 2001, before me personally came Neophytos A. Antoniadis known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of New York)

: ss.

County of Steuben)

On the 9th day of March 2001, before me personally came Valeria L. da Silva known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Joyce LaPone
Notary Public

State of New York)

: ss.

County of Steuben)

On the 2 day of March 2001, before me personally came Michael J. Yablowsky known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Joyce LaPone
Notary Public

Joyce LaPone
Notary Public, State of New York
No. 01LA6030012
Qualified in Chemung County
Commission Expires August 30, 20__

Joyce LaPone
Notary Public, State of New York
No. 01LA6030012
Qualified in Chemung County
Commission Expires August 30, 20__

Joyce LaPone
Notary Public, State of New York
No. 01LA6030012
Qualified in Chemung County
Commission Expires August 30, 2001